



ANDREWS
ENGINEERING, INC.

December 1, 2010

Illinois Environmental Protection Agency
Reporting and Financial Assurance Unit
Bureau of Land – #33
P.O. Box 19276
Springfield, Illinois 62794-9276

US EPA RECORDS CENTER REGION 5



468917

Re: 2018080001 – Winnebago County
Winnebago Reclamation Service
Fourth Quarter 2010 Potential Observed Increases

Dear Correspondent:

In accordance with the applicable conditions of the permit, a groundwater monitoring review has been conducted on the fourth quarter 2010 monitoring results. Parameters indicating "observed increases" from the Southern and Northern Units are listed in Tables 1 and 2, respectively.

The sample results from each unit well network have been reviewed pursuant to Condition VIII.13 of Permit No. 1991-138-LF, Modification No. 45. Confirmation sampling will be completed in accordance with Condition VIII.14 of the above referenced permit.

If you have any questions or require further information, please contact Mr. Tom Hilbert at (815) 963-7516. Thank you.

Sincerely,

Teresa N. Sharp
Environmental Scientist

TNS:tns:slm

Enclosures

cc: Tom Hilbert – Winnebago Reclamation
Bernie Shorle – US EPA Region 5



**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
SOLID WASTE REPORTING FORM**

This form must be used as a cover for the following list of notices and reports required by the Illinois EPA's Bureau of Land, Permit Section. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form must be used for Solid Waste facilities only. Reporting for Hazardous Waste facilities should be submitted on a separate Hazardous Waste Reporting Form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form may NOT be used for any request to modify the permit, sampling or operating procedures. Modification requests must be submitted separately in the form of a permit application.

This form is not to be used with permit applications. Your permit will state whether the document you are submitting is required as a report or an application.

Facility Name:

Site ID#:

Check one of the following, identifying the contents of your submittal:

- | | |
|---|---|
| <input type="checkbox"/> LPC-160 Forms | |
| <input type="checkbox"/> Quarterly Groundwater Data | <input type="checkbox"/> Semi-Annual Groundwater Data |
| <input type="checkbox"/> Quarterly Leachate Data | <input type="checkbox"/> Semi-Annual Leachate Data |
| <input type="checkbox"/> Annual Groundwater Data | <input type="checkbox"/> Biennial Groundwater Data |
| <input type="checkbox"/> Annual Leachate Data | <input type="checkbox"/> Biennial Leachate Data |
| <input type="checkbox"/> Annual Groundwater Flow Evaluation | <input type="checkbox"/> Well Survey Data |
| <input type="checkbox"/> Well Construction Forms and Boring Logs | <input type="checkbox"/> Well Abandonment Forms |
| <input checked="" type="checkbox"/> Notice of Observed Increase in Groundwater | |
| Notice of Intent to Perform Confirmation Procedures (Re-sampling) in Groundwater | |
| <input type="checkbox"/> Notice of Confirmed Increase of Groundwater Exceedence from Re-sample | |
| <input type="checkbox"/> Notice of Methane Exceedences | |
| <input type="checkbox"/> Annual Facility Report (per 35 Ill. Adm. Code 813.504) and Gas Monitoring Report | |
| <input type="checkbox"/> Annual Certifications per 35 Ill. Adm. Code 813.501 | |
| <input type="checkbox"/> Other (identify): Not to be used for Permit Applications | |
| <input type="text"/> | |

Table 1
Winnebago Landfill - South Unit
Fourth Quarter 2010 Observed Exceedences

Parameter	Units	4thQtr10	AGQS	Notes
G11D - Upgradient				
# cis-1,2-Dichloroethene	ug/l	2.9	5	Exceeds Preceding (below AGQS)
# Tetrachloroethene	ug/l	3.3	5	Exceeds Preceding (below AGQS)
# Trichloroethene	ug/l	1.8	10	Exceeds Preceding (below AGQS)
G22D - Upgradient				
# Chloride, Dissolved	mg/l	320	200	
G23D				
Carbon disulfide	ug/l	9.3	5	
G26S				
Carbon disulfide	ug/l	17	5	
Phenolics	ug/l	53	5	
G29S - Upgradient				
Acetone	ug/l	5.2	100	Exceeds Preceding (below AGQS)
G49D				
Carbon disulfide	ug/l	7.2	5	
R11S - Upgradient				
cis-1,2-Dichloroethene	ug/l	1.8	5	Exceeds Preceding (below AGQS)
R22S - Upgradient				
# Chloride, Dissolved	mg/l	870	200	
# Chromium, dissolved	ug/L	24	19	
Phenolics	ug/l	10	5	
Specific Conductance (field)	umhos	3210	2030	
# Total Dissolved Solids, filtered	mg/l	2600	1310	
R24D				
Carbon disulfide	ug/l	7.4	5	
R25D				
Acetone	ug/l	5.5	100	Exceeds Preceding (below AGQS)
R27D				
Carbon disulfide	ug/l	3.5	5	Exceeds Preceding (below AGQS)
R28D				
Acetone	ug/l	5.1	100	Exceeds Preceding (below AGQS)

Note:

indicates exceedence is currently being addressing in either pending Application Log No. 2010-152, 2010-373, or 2010-490.

Parameter	Units	4thQtr10	AGQS	Notes
Carbon disulfide	ug/l	3.5	5	Exceeds Preceeding (below AGQS)

Note:

indicates exceedence is currently being addressing in either pending Application Log No. 2010-152, 2010-373, or 2010-490.

Table 2
Winnebago Reclamation Service - North Unit
Fourth Quarter 2010 Observed Exceedences

Parameter	Units	4thQtr10	AGQS	Notes
G09D - Upgradient				
Carbon disulfide	ug/l	26	5	
# Chlorobenzene	ug/l	11	5	
G09M - Upgradient				
Benzene	ug/l	2.2	2.8	Exceeds Preceeding (below AGQS)
Carbon disulfide	ug/l	2.6	5	Exceeds Preceeding (below AGQS)
Chlorobenzene	ug/l	5.9	5	
Chromium, dissolved	ug/L	14	12	
Phenolics	ug/l	14	100	Exceeds Preceeding (below AGQS)
G13D - Upgradient				
Carbon disulfide	ug/l	1.6	5	Exceeds Preceeding (below AGQS)
# Chlorobenzene	ug/l	4	5	Exceeds Preceeding (below AGQS)
# Chromium, dissolved	ug/L	42	12	
Specific Conductance (field)	umhos	3770	2386.55	
# Sulfate, Dissolved	mg/l	260	119.5	
# Total Dissolved Solids, filtered	mg/l	3100	1755.8	
G13S - Upgradient				
# Benzene	ug/l	4.1	2.8	
Carbon disulfide	ug/l	12	5	
# Chlorobenzene	ug/l	24	5	
cis-1,2-Dichloroethene	ug/l	1.1	5	Exceeds Preceeding (below AGQS)
G03M				
Carbon disulfide	ug/l	1.8	5	Exceeds Preceeding (below AGQS)
# Tetrachloroethene	ug/l	4.2	26	Exceeds Preceeding (below AGQS)
G18D				
Carbon disulfide	ug/l	1.4	5	Exceeds Preceeding (below AGQS)
G36S				
Carbon disulfide	ug/l	5.8	5	

indicates exceedence is currently being addressed in either pending Application Log No. 2010-152, 2010-373, or 2010-490.

Table 2
Winnebago Reclamation Service - North Unit
Fourth Quarter 2010 Observed Exceedences

Parameter	Units	4thQtr10	AGQS	Notes
G51S				
# 1,1-Dichloroethane	ug/l	1.7	31	Exceeds Preceeding (below AGQS)
1,2-Dichlorobenzene	ug/l	2	5	Exceeds Preceeding (below AGQS)
Acetone	ug/l	5.2	10	Exceeds Preceeding (below AGQS)
# Benzene	ug/l	1.8	2.8	Exceeds Preceeding (below AGQS)
# Chlorobenzene	ug/l	3.7	5	Exceeds Preceeding (below AGQS)
Chromium, dissolved	ug/l	15	12	
cis-1,2-Dichloroethene	ug/l	1.9	5	Exceeds Preceeding (below AGQS)
Specific Conductance (field)	umhos	3610	2386.55	
Total Dissolved Solids, filtered	mg/l	1800	1755.8	
R03S				
cis-1,2-Dichloroethene	ug/l	1.5	5	Exceeds Preceeding (below AGQS)
Tetrachloroethene	ug/l	3.6	26	Exceeds Preceeding (below AGQS)
R39S				
cis-1,2-Dichloroethene	ug/L	1.2	5	Exceeds Preceeding (below AGQS)

indicates exceedence is currently being addressed in either pending Application Log No. 2010-152, 2010-373, or 2010-490.